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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/965,890	10/01/2001	Akira Yamaguchi	Q63866	3508

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SUGHRUE, MION, ZINN, MACPEAK & SEAS  
2100 Pennsylvania Avenue, N.W.  
Washington, DC 20037

EXAMINER

NGUYEN, KIMNHUNG T

ART UNIT	PAPER NUMBER
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2674

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DATE MAILED: 04/10/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/965,890

Applicant(s)

YAMAGUCHI, AKIRA

Examiner

Kimnhung Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

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### DETAILED ACTION

This application has been examined. The claims 1-15 are pending. The examination results are as following.

#### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 4-6, 10-11 and 15 are rejected under 35 U.S.C. 102(e) as being anticipated by Suzuki (US patent 6,344,836).

Suzuki discloses in figures 1-3 and 7 that an image display system comprising a plurality of flat panel displays; comprising a plurality of flat panel displays (30, figures 6-7); a casing for generally accommodating said plurality of flat panel displays; a power source common to the plurality (see column 7, lines 4-7); and a control unit (50) for controlling the plurality of flat panel displays. The control unit comprises one control device (14, keyboard/ mouse controller), the flat panel displays has selected from the number of pixels (see column 5, lines 34-40), and control unit also is remote controller (50), a control function (15) with a voice input, a control function with an operational panel provided in the casing, and a control function using one of the plurality of flat panel displays as touch panel (14, see column 5, lines 43-65), and the flat panel displays is a liquid crystal display (see column 5, lines 63-65).

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***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki (US patent 6,344,836) in view of Jenkin et al. (US patent 6,377,228).

Suzuki discloses in figures 1-3 and 7 that an image display system comprising a plurality of flat panel displays; comprising a plurality of flat panel displays (30, figures 6-7); a casing for generally accommodating said plurality of flat panel displays; a power source common to the plurality (see column 7, lines 4-7); and a control unit (50) for controlling the plurality of flat panel displays. The control unit comprises one control device (14, keyboard/ mouse controller), the flat panel displays has selected from the number of pixels (see column 5, lines 34-40), and control unit also is remote controller (50), a control function (15) with a voice input, a control function with an operational panel provided in the casing, and a control function using one of the plurality of flat panel displays as touch panel (14, see column 5, lines 43-65), and the flat panel displays is a liquid crystal display (see column 5, lines 63-65). However, Suzuki does not disclose that the plurality of flat panel displays has a holding unit for holding a medical film. Jenkin et al. disclose 10,000 sensors per square inch provided in the touch panel, that is a holding unit (see column 3, lines 65-67). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the teachings of using the sensors as taught by

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Jenkin et al. in the system of Suzuki because this would make the entire surface of the display system is treated as a single logical display with a overlapping touch-sensitive input device.

5. Claims 3, 7-9 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki (US patent 6,344,836) in view of Yishida et al. (US patent 5,617,112).

Suzuki discloses in figures 1-3 and 7 that an image display system comprising a plurality of flat panel displays; comprising a plurality of flat panel displays (30, figures 6-7); a casing for generally accommodating said plurality of flat panel displays; a power source common to the plurality (see column 7, lines 4-7); and a control unit (50) for controlling the plurality of flat panel displays. The control unit comprises one control device (14, keyboard/ mouse controller), the flat panel displays has selected from the number of pixels (see column 5, lines 34-40), and control unit also is remote controller (50), a control function (15) with a voice input, a control function with an operational panel provided in the casing, and a control function using one of the plurality of flat panel displays as touch panel (14, see column 5, lines 43-65), and the flat panel displays is a liquid crystal display (see column 5, lines 63-65). However, Suzuki does not disclose that the image display system, wherein a display screen size in a diagonal line direction is 10 inches to 25 inches, a pixel size is 50 micrometers to 240 micrometers, the number of pixels is 600 pixels x 1600 pixels, and maximum luminance values of the flat panel.

From the claim 7, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have display screen size in a diagonal line direction is 10 inches to 25 inches, a pixel size is 50 micrometers to 240 micrometers, the number of pixels is 600 pixels x 1600 pixels as claimed since such a modification would have involved a mere change in

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the range of the system. A change in range is generally recognized as being within the level of ordinary skill in the art.

See In re Rose, 105 USPQ 237 (CCPA 1995) and

See In re Raven, 156 USPQ 679 (CCPA).

Yoshida et al. disclose the maximum luminance values and the minimum values of the display control (see figure 5). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the teachings of using the maximum luminance values as taught by Yoshida et al. in the device of Suzuki because this would have an optimal value of brightness of the display device is determined to perform display brightness control.

6. Claims 13-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki (US patent 6,344,836) in view of Parker et al. (US patent 6,128,097).

Suzuki discloses in figures 1-3 and 7 that an image display system comprising a plurality of flat panel displays; comprising a plurality of flat panel displays (30, figures 6-7); a casing for generally accommodating said plurality of flat panel displays; a power source common to the plurality (see column 7, lines 4-7); and a control unit (50) for controlling the plurality of flat panel displays. However, Suzuki does not disclose that the image display comprising an output is a hard copy and is a dry printer. Parker et al. disclose in figure 7 a printer (10) (see figure 7, column 8, lines 50-60). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the teachings of using an input is hard copy that is a printer as taught by Parker in the display system of Suzuki because this would format the rasters for particular printer and send the formatted rasters through an operating system.

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**Correspondence**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number (703) 308-0425.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **RICHARD A HJERPE** can be reached on (703) 305-4709.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D. C. 20231

**Or faxed to:**

**(703) 872-9314 (for Technology Center 2600 only).**

Hand-delivery response should be brought to: Crystal Park II, 2121 Crystal Drive, Arlington, VA Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Kimnhung Nguyen  
April 2, 2003



**RICHARD HJERPE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600**